

**PATENT**

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**ABSTRACT**

Methods for the preparation of storage-stable fatty acid calcium salt products by  
5 forming a reactive admixture of (a) an unsaturated fatty acid glyceride feedstock; and (b) from  
about 10% to about 30% of the total admixture weight of calcium hydroxide; and heating the  
admixture to a temperature at which the fatty acid glycerides saponify to form fatty acid  
calcium salts in an atmosphere in which the partial pressure of oxygen has been reduced by an  
amount effective to provide an improvement in storage stability. Storage stable calcium salts  
10 of unsaturated fatty acids prepared by the inventive method are also disclosed.

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